

ABSTRACT

Disclosed herein is a recording method for recording an image on a thermosensible image bearing medium that contains liquid crystal material. The liquid crystal exhibits a cholesteric phase at a temperature range higher than a room temperature so as to reflect selected wavelength of light based on heated temperature within the temperature range. Since the cholesteric liquid crystal material has a different response time for each selective reflection wavelength, an optimum energy application time is required for obtaining a desired recording color. Accordingly, in the recording method, it is getting higher the heating temperature, shorter the application time. The application time can be adjusted by the pulse width and/or pulse number of the applied energy.